

### ABSTRACT OF THE DISCLOSURE

A highly accurate reduction resistant thermistor exhibiting stable resistance characteristics even under conditions where the inside of a metal case of a temperature sensor becomes a reducing atmosphere, wherein when producing the thermistor comprised of a mixed sintered body  $(M_1 M_2)O_3 \cdot AO_x$ , the mean particle size of the thermistor material containing the metal oxide, obtained by heat treating, mixing, and pulverizing the starting materials, is made smaller than  $1.0 \mu m$  and the sintered particle size of the mixed sintered body, obtained by shaping and firing this thermistor material, is made  $3 \mu m$  to  $20 \mu m$  so as to reduce the grain boundaries where migration of oxygen occurs, suppress migration of oxygen, and improve the reduction resistance.